Digital accessibility 101

The Web Meetup, 9 May 2017

Allison Ravenhall

 @RavenAlly

Digital Accessibility Sense

Intopia

 @Intopiadigital

Accessibility

The qualities that make an experience open to all

Whose website <u>must be</u> accessible?

Yours.

Disability Discrimination Act 1992

W3C®

Web Content Accessibility Guidelines 2.0

(a.k.a. ISO/IEC 40500:2012)

2.1.1 Keyboard

All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints. (Level A)

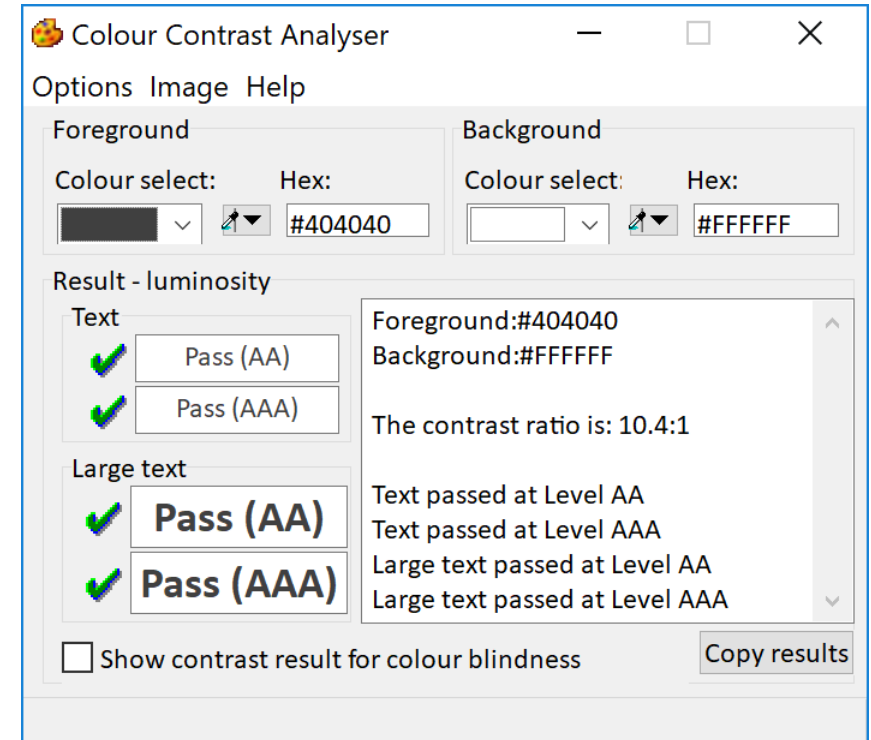| Perceivable | I can consume the content |
Operable	I can use the site
Understandable	I can understand the content
Robust	My assistive tech works

Be accessible - UX

- Check colour contrast

- Define visible focus states

- Do any of your personas have different needs?

Be accessible - Build

- Use native HTML

```html
<label for="chkNative">My native checkbox</label>
<input type="checkbox" id="chkNative">

<div role="checkbox"
     aria-checked="false"
     tabindex="0"
     onkeydown="toggleCheckbox(event)"
     onclick="toggleCheckbox(event)"
     onfocus="focusCheckbox(event)"
     onblur="blurCheckbox(event)">
    <img src="./images/checkbox-unchecked-black.png" alt="">
    My non-native checkbox
</div>
```
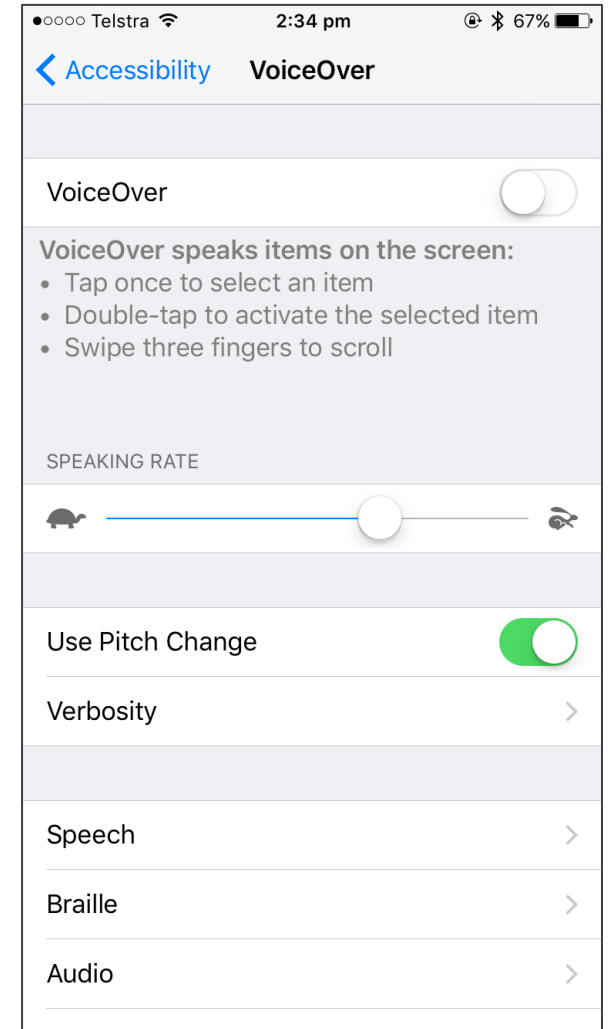
- Manage focus

- Check accessibility of framework code

Be accessible - Content

- Define short, descriptive image phrases

- Use plain language

- Define unique link text

Be accessible – More ideas

- Try out assistive technology

- Test your code
  - Tenon.io
  - aXe Firefox/Chrome extension
  - IE Web Accessibility Toolbar
  - WAVE Firefox extension

Start the accessibility conversation
at your workplace

YOU WANT MORE?

A11y Bytes

An evening of lightning talks

Thursday 18 May

a11ybytes.org/melbourne/

And I'm done.

⯑ @RavenAlly

⯑ @Intopiadigital